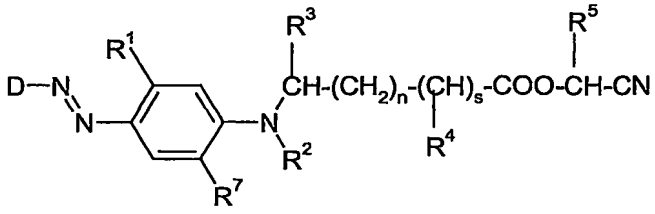
Patent Claims

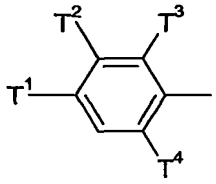
1. Dyestuff of the formula I



(I)

wherein

D is a group of the formula (IIa)



(IIa)

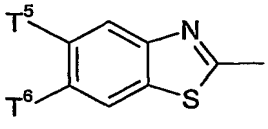
wherein

T^1, T^2 and T^3 are, independently, hydrogen, halogen or nitro;

T^4 is hydrogen, halogen, cyano or nitro;

wherein at least one of T^1, T^2, T^3 and T^4 is not hydrogen;

or a group of the formula (IIb)



(IIb)

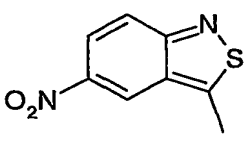
wherein

T^5 is hydrogen or halogen; and

T^6 is hydrogen $-SO_2CH_3$, -SCN or nitro;

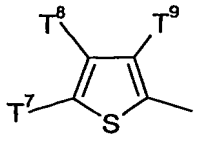
wherein at least one of T^5 and T^6 is not hydrogen;

or a group of the formula (IIc)



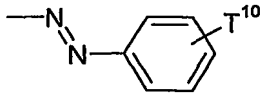
(IIc)

or a group of the formula (IId)


(IId)

wherein

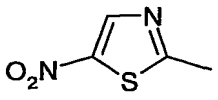
T^7 is nitro, –CHO or a group of the formula


wherein T^{10} is –H, halogen, nitro and cyano;

T^8 is hydrogen or halogen; and

T^9 is nitro, cyano, -$COCH_3$ or –$COOT^{10}$, wherein T^{10} is (C_1-C_4)-alkyl;

or a group of the formula (IIe)


(IIe)

R^1 is hydrogen, (C_1-C_4)-alkyl or –$NCOR^6$, where R^6 is (C_1-C_4)-alkyl or phenyl;

R^2 is unsubstituted (C_1-C_6)-alkyl, substituted (C_1-C_6)-alkyl, benzyl or phenylethyl;

R^3 is hydrogen or methyl;

R^4 is hydrogen or methyl;

R^5 is hydrogen, methyl or phenyl;

R^7 is hydrogen, chloro, methoxy or ethoxy;

n is 0, 1 or 2;

s is 0 or 1;

with the proviso that

in the case R^1, R^3, R^4, R^5 and R^7 are hydrogen and n = 0

D is a group of the formula (IIc), (IId), (IIe) or (IIa) wherein T^1 is not nitro

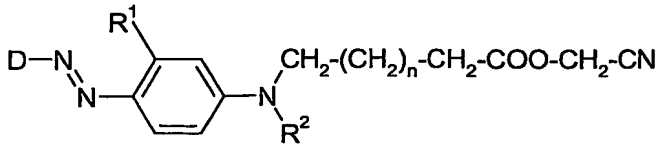
- if T^2, T^3 and T^4 are hydrogen,
- if T^2 and T^3 are hydrogen and T^4 is chlorine or cyano and
- if T^2 and T^4 are hydrogen and T^3 is chlorine; and

with the further proviso that

R^2 is unsubstituted (C_1-C_6)-alkyl if R^1 is methyl, R^3, R^4, R^5 and R^7 are hydrogen

and n = 0.

2. Dyestuff according to claim 1 of the formula (Ia)



(Ia)

wherein

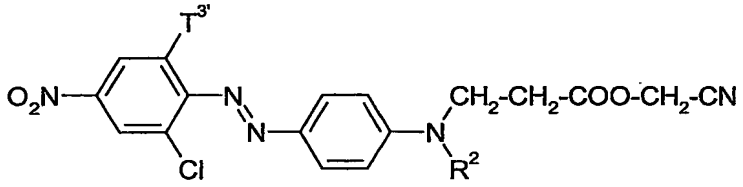
D is a group of the formulae (IIa), (IIb), (IIc), (IId) or (IIe);

R^1 is $(C_1$-$C_4)$-alkyl;

R^2 is unsubstituted $(C_1$-$C_6)$-alkyl, benzyl or phenylethyl; and

n is 0, 1 or 2.

3. Dyestuff according to claim 1 of the formula (Ib)



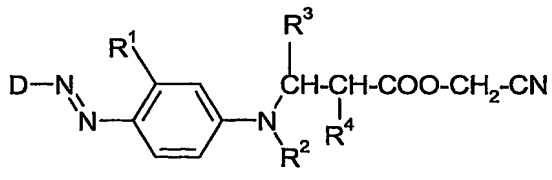
(Ib)

wherein

$T^{3'}$ is bromo or chloro; and

R^2 is unsubstituted $(C_1$-$C_6)$-alkyl, substituted $(C_1$-$C_6)$-alkyl, benzyl or phenylethyl;

4. Dyestuff according to claim1 of the formula (Ic)



(Ic)

wherein

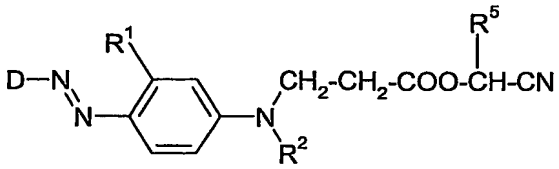
D is a group of the formulae (IIa), (IIb), (IIc), (IId) or (IIe);

R^1 is hydrogen, $(C_1$-$C_4)$-alkyl or $-NCOR^6$, where R^6 is $(C_1$-$C_4)$-alkyl or phenyl;

R^2 is unsubstituted $(C_1$-$C_6)$-alkyl, substituted $(C_1$-$C_6)$-alkyl, benzyl or phenylethyl; and

R^3 is hydrogen and R^4 is methyl or R^3 is methyl and R^4 is hydrogen.

5. Dyestuff according to claim1 of the formula (Id)



wherein

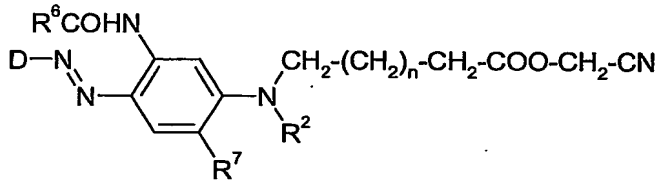
D is a group of the formulae (IIa), (IIb), (IIc), (IId) or (IIe);

R^1 is hydrogen, $(C_1$-$C_4)$-alkyl or $-NCOR^6$, where R^6 is $(C_1$-$C_4)$-alkyl or phenyl;

R^2 is unsubstituted $(C_1$-$C_6)$-alkyl, substituted $(C_1$-$C_6)$-alkyl, benzyl or phenylethyl; and

R^5 is methyl or phenyl;

6. Dyestuff according to claim1 of the formula (Ie)



(Ie)

wherein

D is a group of the formulae (IIa), (IIb), (IIc), (IId) or (IIe);

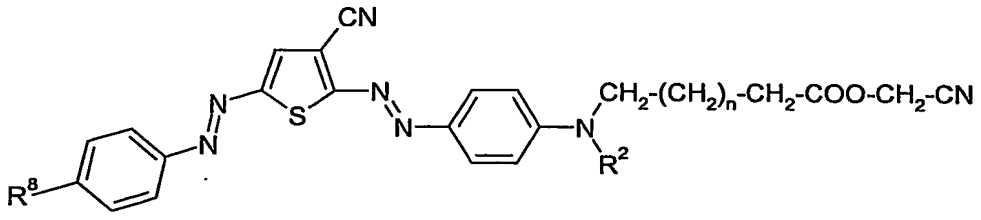
R^2 is unsubstituted $(C_1$-$C_6)$-alkyl, substituted $(C_1$-$C_6)$-alkyl, benzyl or phenylethyl;

R^6 is $(C_1$-$C_4)$-alkyl or phenyl;

R^7 is chloro, methoxy or ethoxy; and

n is 0, 1 or 2.

7. Dyestuff according to claim1 of the formula (If)

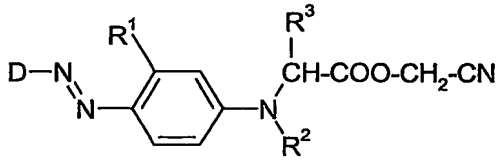


(If)

wherein

R^2 is unsubstituted (C_1-C_6)-alkyl, substituted (C_1-C_6)-alkyl, benzyl or phenylethyl;
R^8 is nitro; and
n is 0, 1 or 2;

8. Dyestuff according to claim1 of the formula (Ig)



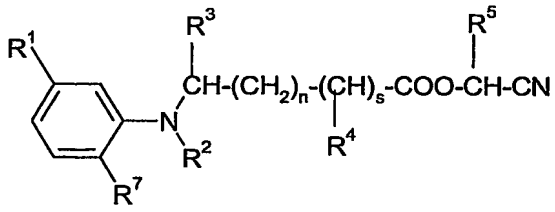
(Ig)

wherein
D is a group of the formulae (IIa), (IIb), (IIc), (IId) or (IIe);
R^1 is hydrogen, (C_1-C_4)-alkyl or $-NCOR^6$, where R^6 is (C_1-C_4)-alkyl or phenyl;
R^2 is unsubstituted (C_1-C_6)-alkyl, substituted (C_1-C_6)-alkyl, benzyl or phenylethyl; and
R^3 is hydrogen or methyl.

9. Process for the preparation of a dyestuff as claimed in one or more of claims 1 to 8, which comprises diazotisation of an amine of the formula III

$$D\text{-}NH_2 \qquad (III)$$

wherein D is defined as given in the preceding claims,
and coupling onto a compound of the formula IV



(IV)

wherein R^1, R^2, R^3, R^4, R^5 and R^7 are defined as given in the preceding claims.

10. The use of a dyestuff as claimed in one or more of claims 1 to 8 for dyeing and printing of synthetic textile material and fibre blends thereof.